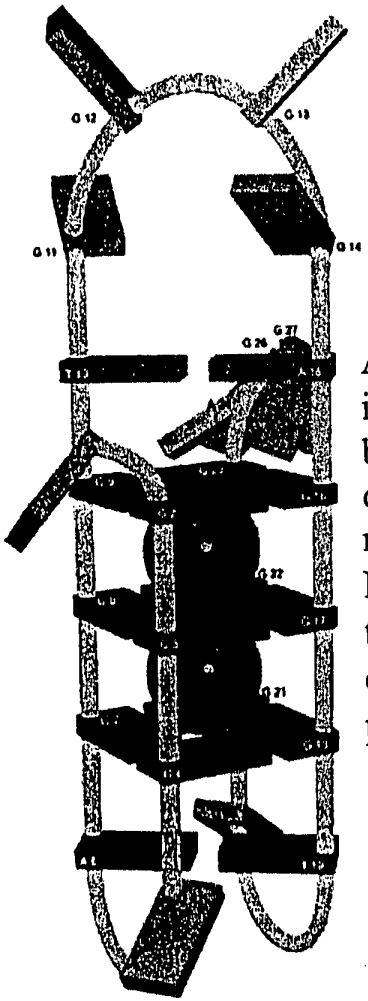
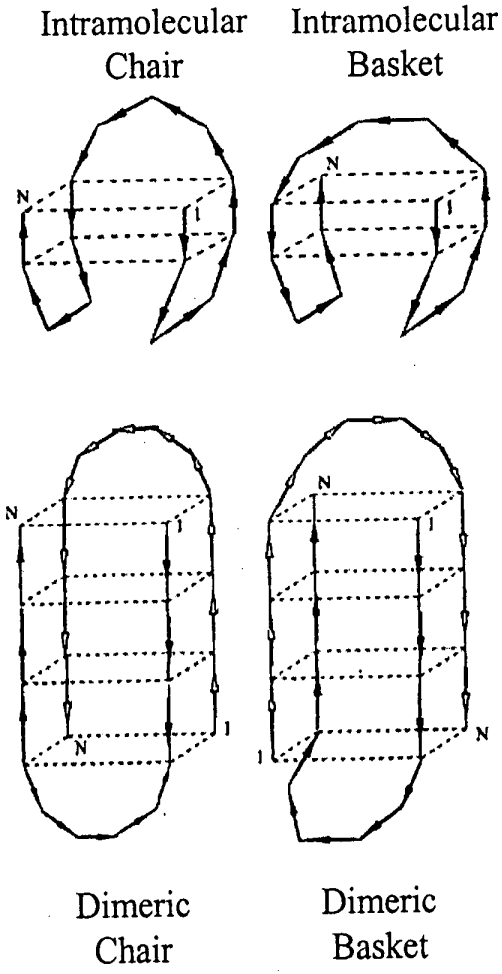
FIGURE 1



An intramolecular basket type G-quadruplex reported in an NHE region of the c-myc oncogene promoter.



Different types of G-quadruplexes that may be formed by the stacking of guanine tetrads.

Title: HIGH-THROUGHPUT METHODS FOR IDENTIFYING QUADRUPLEX FORMING NUCLEIC ACIDS AND MODULATORS THEREOF
First Inventor: Cheng He JIN
Docket No.: 53223000800
Sheet 1 of 8

FIGURE 2A

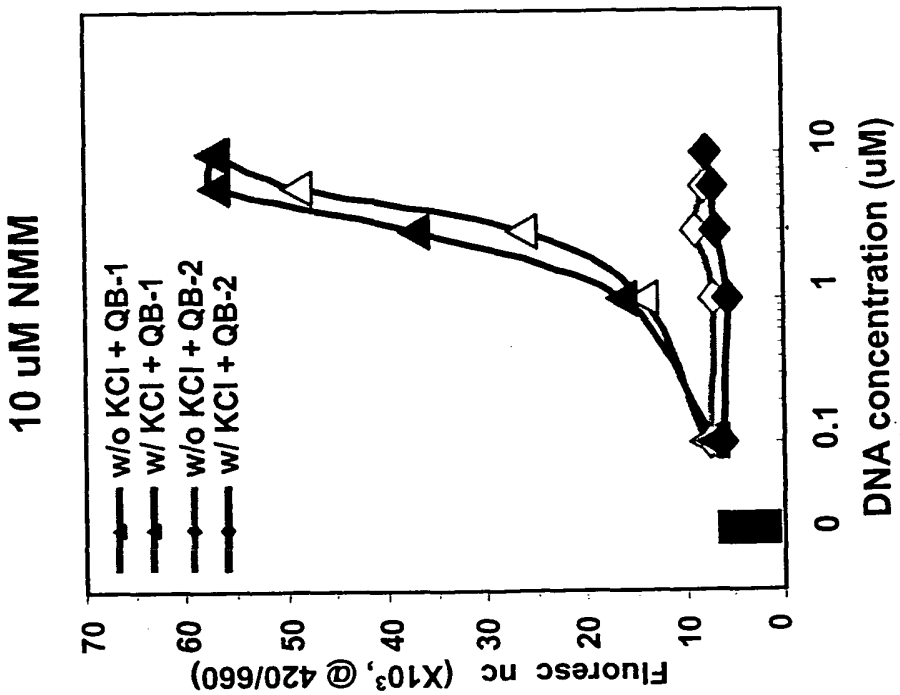


FIGURE 2B

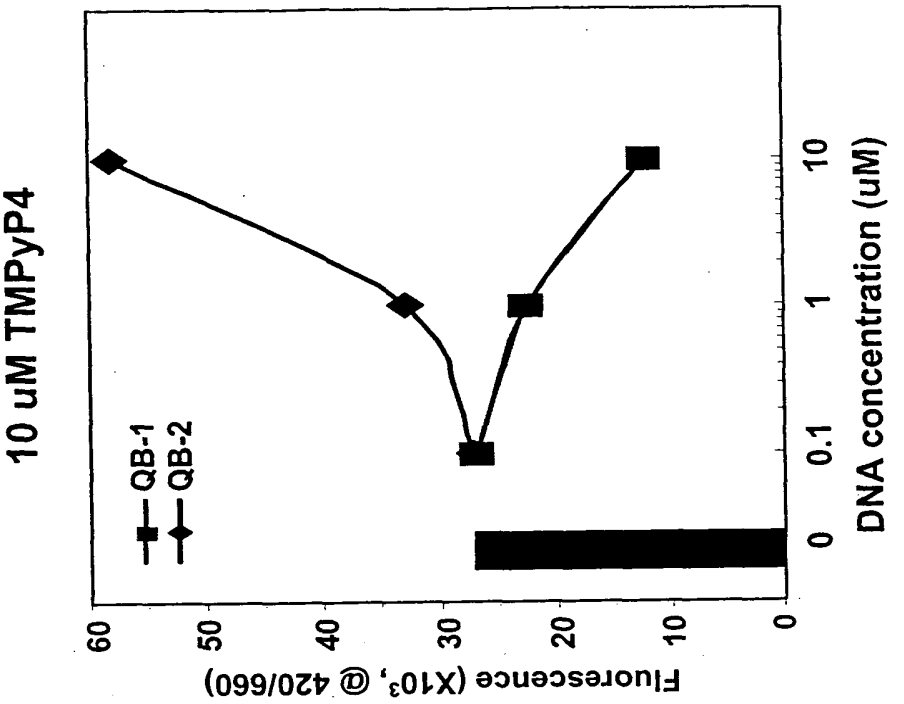


FIGURE 2C

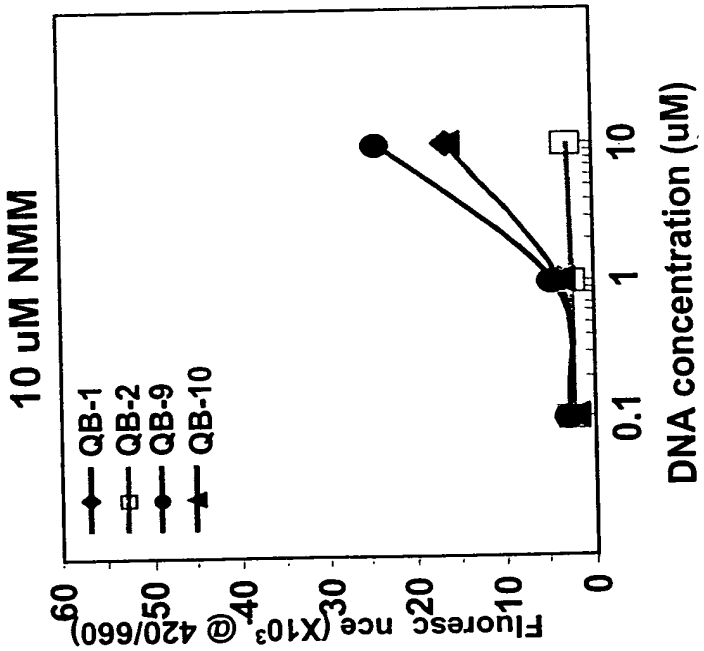
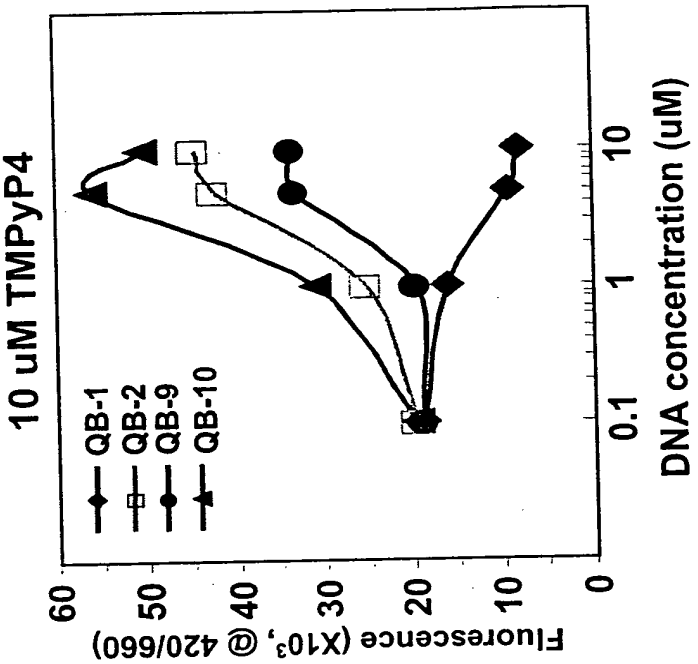


FIGURE 2D



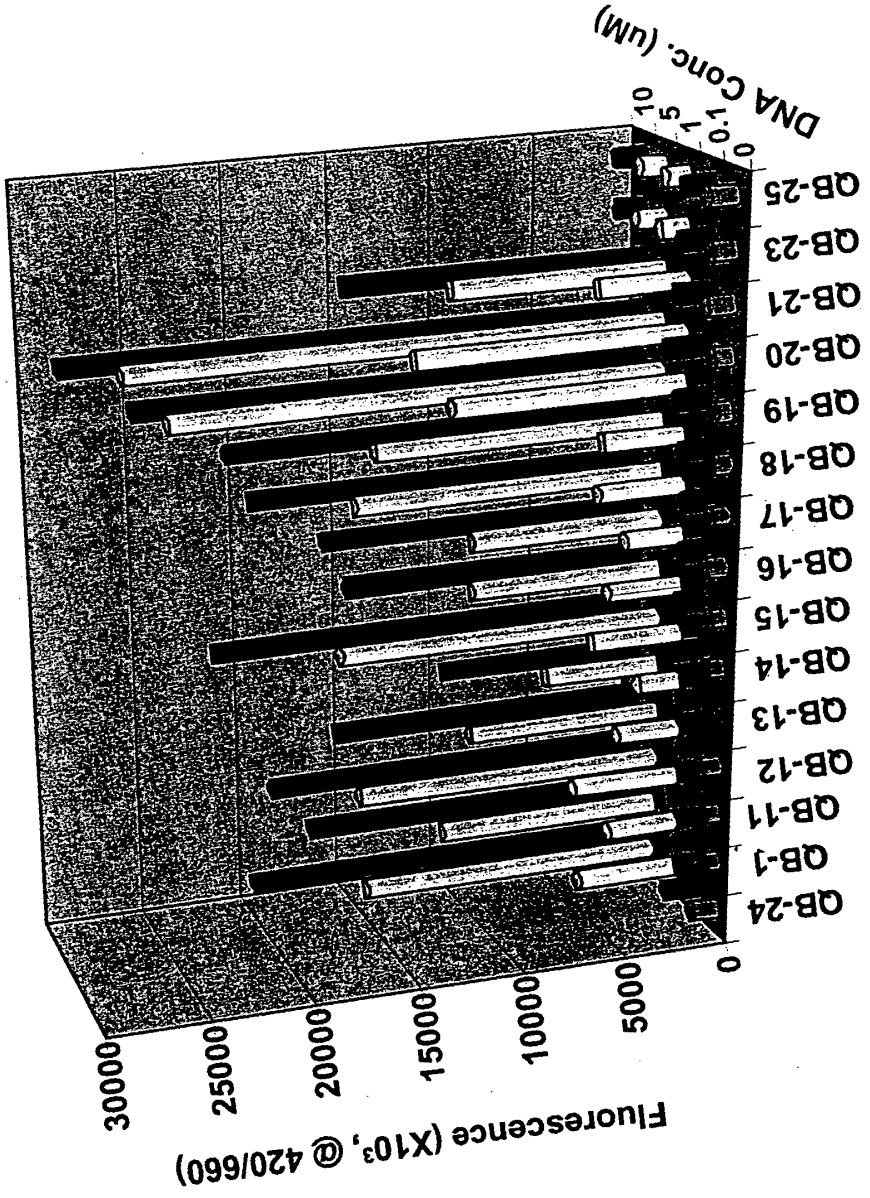

DNA Conc. (uM)
10
5
1
0.1
0
QB-25
QB-23
QB-21
QB-20
QB-19
QB-18
QB-17
QB-16
QB-15
QB-14
QB-13
QB-12
QB-11
QB-1
QB-24
0
5000
10000
15000
20000
25000
30000
Fluorescence (X10³, @ 420/660)

FIGURE 2E

FIGURE 3

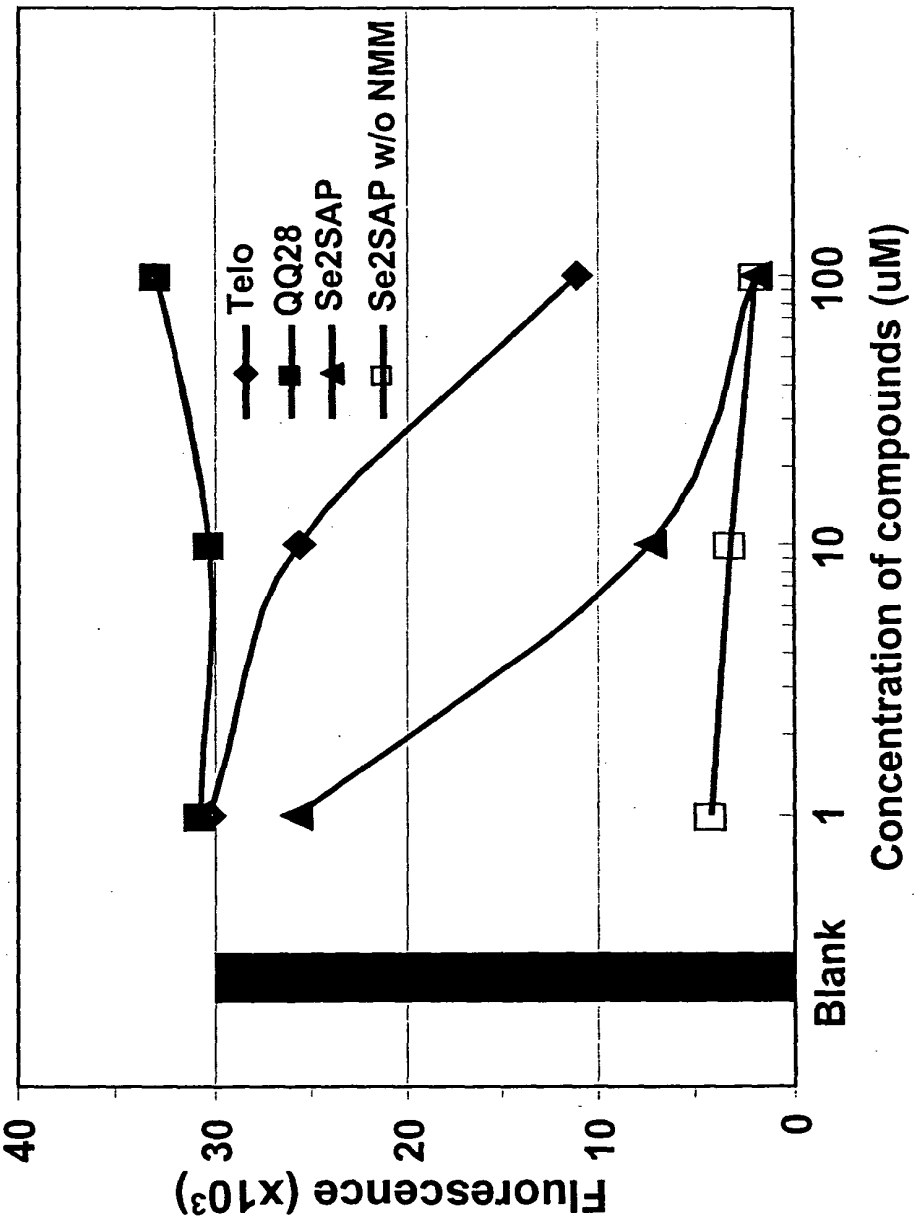

Fluorescence (x10³)
40
30
20
10
0
Telo
QQ28
Se2SAP
Se2SAP w/o NMM
Blank
1
10
100
Concentration of compounds (uM)

FIGURE 4A

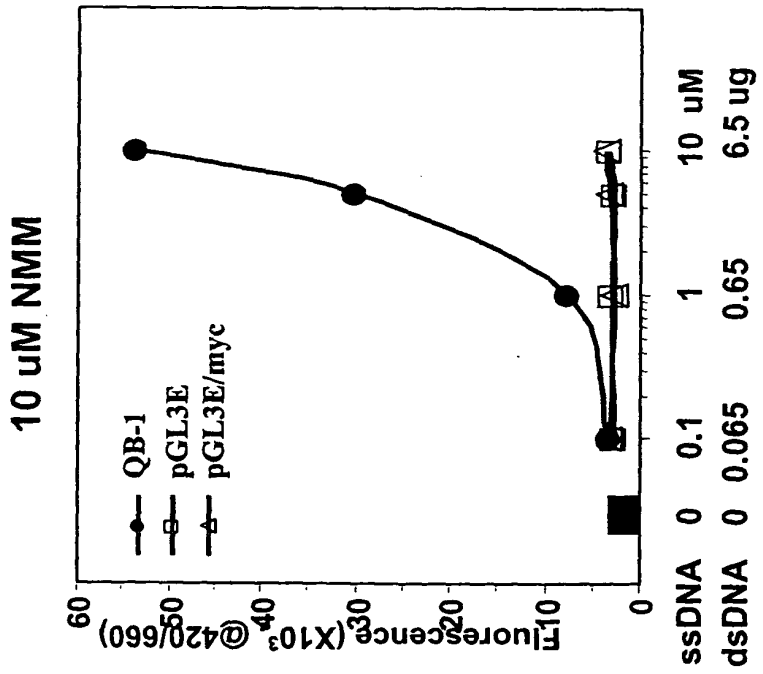


FIGURE 4B

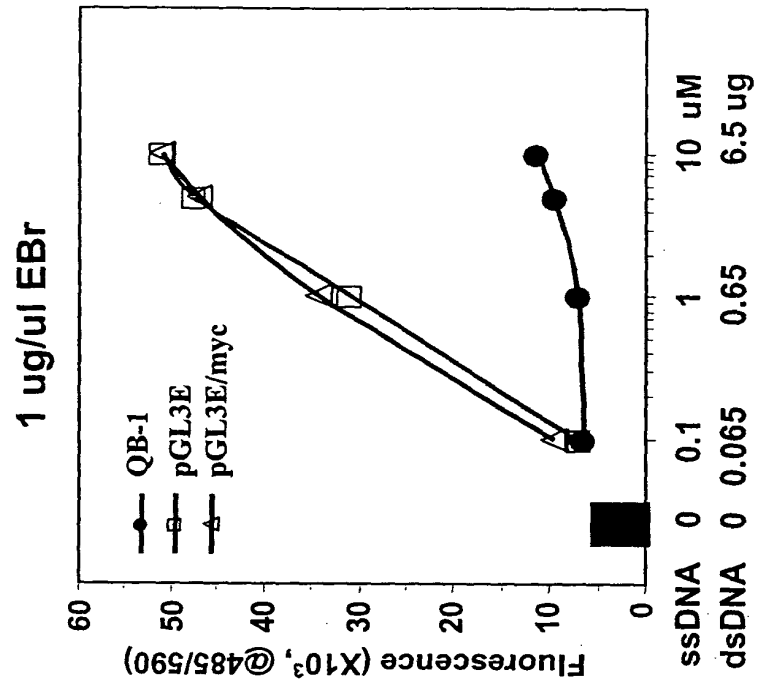


FIGURE 4C

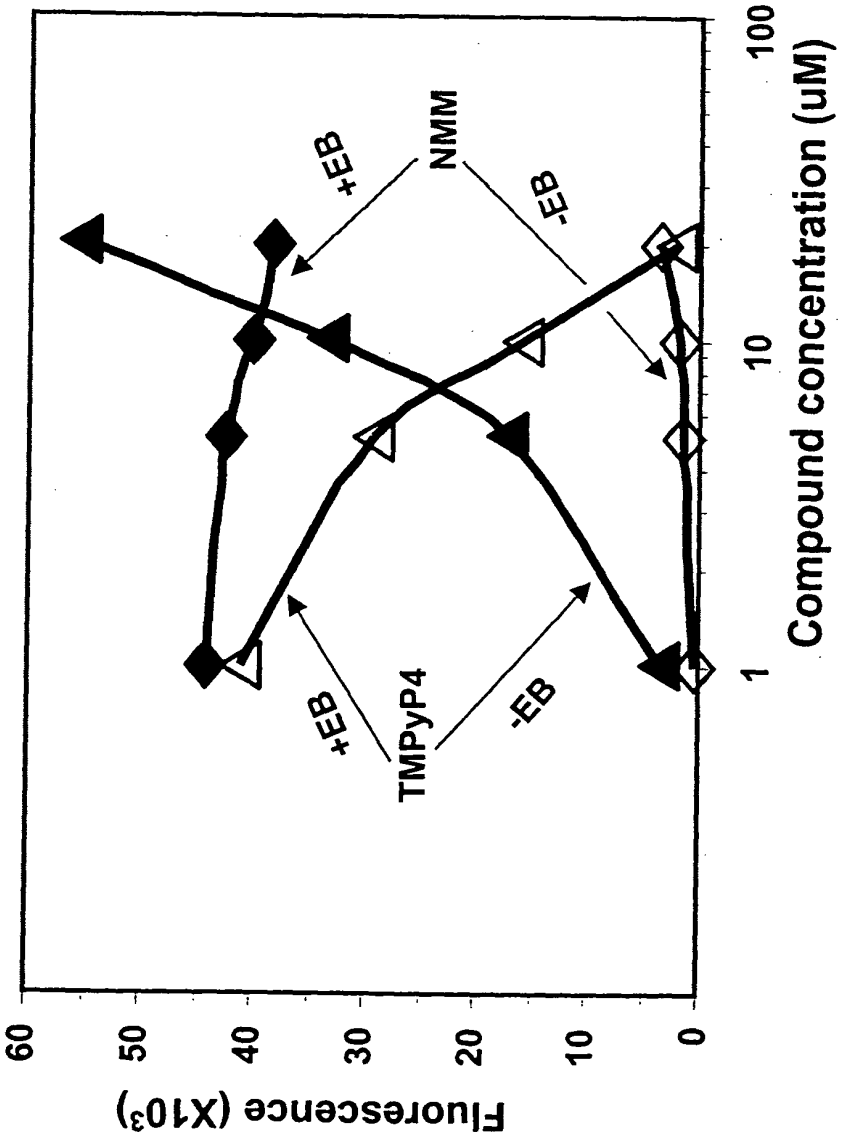
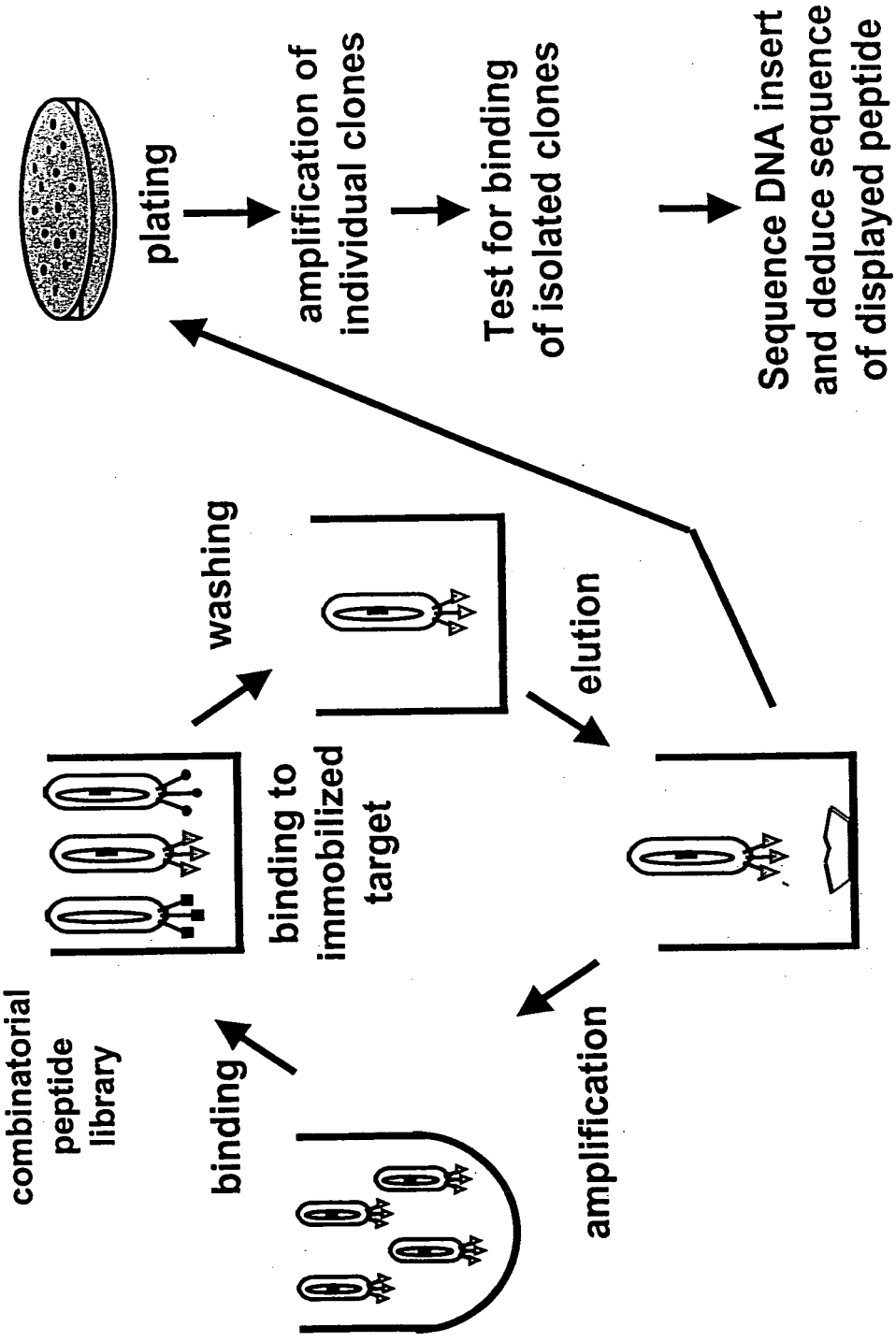

Fluorescence (X10³)
60
50
40
30
20
10
0
Compound concentration (uM)
1
10
100
+EB
NMM
-EB
+EB
TMPyP4
-EB

FIGURE 5


combinatorial peptide library
binding
binding to immobilized target
washing
elution
amplification
plating
amplification of individual clones
Test for binding of isolated clones
Sequence DNA insert and deduce sequence of displayed peptide